

Matthias Widbiller

List of Publications by Year in descending order

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43
papers

1,298
citations

331670

21
h-index

361022

35
g-index

47
all docs

47
docs citations

47
times ranked

1176
citing authors

#	ARTICLE	IF	CITATIONS
1	EDTA conditioning of dentine promotes adhesion, migration and differentiation of dental pulp stem cells. <i>International Endodontic Journal</i> , 2016, 49, 581-590.	5.0	144
2	Inflammatory Response Mechanisms of the Dentine-Pulp Complex and the Periapical Tissues. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1480.	4.1	135
3	A prospective clinical pilot study on the effects of a hydrogen peroxide mouthrinse on the intraoral viral load of SARS-CoV-2. <i>Clinical Oral Investigations</i> , 2020, 24, 3707-3713.	3.0	80
4	Penetration depth of irrigants into root dentine after sonic, ultrasonic and photoacoustic activation. <i>International Endodontic Journal</i> , 2019, 52, 1210-1217.	5.0	73
5	Three-dimensional culture of dental pulp stem cells in direct contact to tricalcium silicate cements. <i>Clinical Oral Investigations</i> , 2016, 20, 237-246.	3.0	70
6	Suitability of Different Natural and Synthetic Biomaterials for Dental Pulp Tissue Engineering. <i>Tissue Engineering - Part A</i> , 2018, 24, 234-244.	3.1	62
7	Cell Homing for Pulp Tissue Engineering with Endogenous Dentin Matrix Proteins. <i>Journal of Endodontics</i> , 2018, 44, 956-962.e2.	3.1	54
8	Clinical Perspectives of Pulp Regeneration. <i>Journal of Endodontics</i> , 2020, 46, S161-S174.	3.1	49
9	Perspectives for Cell-homing Approaches to Engineer Dental Pulp. <i>Journal of Endodontics</i> , 2017, 43, S40-S45.	3.1	46
10	Endodontic management of traumatized permanent teeth: a comprehensive review. <i>International Endodontic Journal</i> , 2021, 54, 1221-1245.	5.0	46
11	Ultrasonic activation of irrigants increases growth factor release from human dentine. <i>Clinical Oral Investigations</i> , 2017, 21, 879-888.	3.0	44
12	Biomechanical performance of an immature maxillary central incisor after revitalization: a finite element analysis. <i>International Endodontic Journal</i> , 2019, 52, 1508-1518.	5.0	41
13	Interactive effects of LPS and dentine matrix proteins on human dental pulp stem cells. <i>International Endodontic Journal</i> , 2018, 51, 877-888.	5.0	38
14	Dentine matrix proteins: isolation and effects on human pulp cells. <i>International Endodontic Journal</i> , 2018, 51, e278-e290.	5.0	36
15	Shotgun Proteomics of Human Dentin with Different Prefractionation Methods. <i>Scientific Reports</i> , 2019, 9, 4457.	3.3	34
16	Signaling Molecules and Pulp Regeneration. <i>Journal of Endodontics</i> , 2017, 43, S7-S11.	3.1	31
17	3D-Imaging of Whole Neuronal and Vascular Networks of the Human Dental Pulp via CLARITY and Light Sheet Microscopy. <i>Scientific Reports</i> , 2019, 9, 10860.	3.3	29
18	Material Tissue Interaction-From Toxicity to Tissue Regeneration. <i>Operative Dentistry</i> , 2016, 41, 117-131.	1.2	28

#	ARTICLE	IF	CITATIONS
19	Pathophysiological mechanisms of root resorption after dental trauma: a systematic scoping review. <i>BMC Oral Health</i> , 2021, 21, 163.	2.3	27
20	Direct and Indirect Effect of Chlorhexidine on Survival of Stem Cells from the Apical Papilla and Its Neutralization. <i>Journal of Endodontics</i> , 2019, 45, 156-160.	3.1	26
21	European Society of Endodontology position statement: endodontic management of traumatized permanent teeth. <i>International Endodontic Journal</i> , 2021, 54, 1473-1481.	5.0	26
22	Cell-Free Approaches for Dental Pulp Tissue Engineering. <i>Journal of Endodontics</i> , 2020, 46, S143-S149.	3.1	21
23	Endodontic regeneration: hard shell, soft core. <i>Odontology / the Society of the Nippon Dental University</i> , 2021, 109, 303-312.	1.9	21
24	Distinguished properties of cells isolated from the dentin-pulp interface. <i>Annals of Anatomy</i> , 2021, 234, 151628.	1.9	17
25	Interaction between LPS and a dental resin monomer on cell viability in mouse macrophages. <i>Dental Materials</i> , 2016, 32, 1492-1503.	3.5	13
26	Histology of human teeth: Standard and specific staining methods revisited. <i>Archives of Oral Biology</i> , 2021, 127, 105136.	1.8	13
27	Molecular Biological Comparison of Dental Pulp- and Apical Papilla-Derived Stem Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2615.	4.1	11
28	A training model for revitalization procedures. <i>International Endodontic Journal</i> , 2018, 51, e301-e308.	5.0	9
29	Neurotrophic Proteins in Dentin and Their Effect on Trigeminal Sensory Neurons. <i>Journal of Endodontics</i> , 2019, 45, 729-735.	3.1	9
30	Isolation of primary odontoblasts: Expectations and limitations. <i>Australian Endodontic Journal</i> , 2019, 45, 378-387.	1.5	8
31	Debris Removal by Activation of Endodontic Irrigants in Complex Root Canal Systems: A Standardized In-Vitro-Study. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7331.	2.5	8
32	Transcriptomic Stress Response in <i>Streptococcus mutans</i> following Treatment with a Sublethal Concentration of Chlorhexidine Digluconate. <i>Microorganisms</i> , 2022, 10, 561.	3.6	8
33	Effectiveness of endodontic tissue engineering in treatment of apical periodontitis: A systematic review. <i>International Endodontic Journal</i> , 2023, 56, 533-548.	5.0	8
34	Expression of Neurotrophic Factors in Human Dentin and Their Regulation of Trigeminal Neurite Outgrowth. <i>Journal of Endodontics</i> , 2019, 45, 414-419.	3.1	6
35	Influence of selective caries excavation on marginal penetration of class II composite restorations in vitro. <i>European Journal of Oral Sciences</i> , 2020, 128, 405-414.	1.5	6
36	A critical analysis of clinical research methods to study regenerative endodontics. <i>International Endodontic Journal</i> , 2022, 55, 456-470.	5.0	6

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37	Isolation of Endogenous TGF- β 1 from Root Canals for Pulp Tissue Engineering: A Translational Study. <i>Biology</i> , 2022, 11, 227.	2.8	4
38	Biology of selective caries removal: a systematic scoping review protocol. <i>BMJ Open</i> , 2022, 12, e061119.	1.9	3
39	Human Amnion Epithelial Cells: A Potential Cell Source for Pulp Regeneration?. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2830.	4.1	3
40	Relevance of Cellular Redox Homeostasis for Vital Functions of Human Dental Pulp Cells. <i>Antioxidants</i> , 2022, 11, 23.	5.1	2
41	Impact of access cavity cleaning on the seal of postendodontic composite restorations <i>in vitro</i> . <i>International Endodontic Journal</i> , 0, , .	5.0	1
42	Biocompatibility and Bioactive Properties of BiodentineTM. , 2022, , 31-50.		0
43	Bioceramic Materials in Regenerative Endodontics. , 2021, , 29-38.		0